

Claims

1. Method for curvilinear folded structure production (as applied to
5 sandwich panel core) including bending of sheet blank along the bending lines to
formation of 3-D relief structures, e.g. on the basis of zigzag crimps, including
bending and folding of the blank to joining of the obtained folded structure plane
block ridges whereupon it is put into the shape of arch by applying shear stresses
providing in its lateral section the curvature radius defined by the given
10 curvilinear folded structure design parameters and is thermally treated in such
condition for inner stresses relief in the folded structure material whereupon it is
stretched to the design parameters given.

2. Method for folded structure production according to claim 1,
including thermal treatment of folded structure, e.g. from aramide "NOMEX"
15 paper, under reheat temperature equal to 180-210°C and decay time equal to 20-
30 minutes.

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